This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (original) An isolated polypeptide comprising a BOG polypeptide fragment, said BOG fragment comprising a pRb binding motif and a casein kinase II phosphorylation motif.

2. (original) The BOG polypeptide fragment of claim 1, wherein said BOG polypeptide fragment is a full length BOG polypeptide.

3. (original) The BOG polypeptide fragment of claim 1, comprising an amino acid sequence as shown in Table 1, 5 or 7.

4. (original) The BOG polypeptide fragment of claim 1, wherein said casein kinase II phosphorylation motif is located downstream of the pRb binding motif.

5. (original) The BOG polypeptide fragment of claim 4, further comprising a second casein kinase II phosphorylation motif, said second casein kinase II phosphorylation motif being located upstream of the pRb binding motif.

6. (original) The BOG polypeptide fragment of claim 1 joined to a detectable label.

7. (original) The BOG polypeptide fragment of claim 6, wherein the detectable label includes a radioactive isotope, an enzyme, a chromophore or a mixture thereof.

8-22. (cancelled)

23. (original) A chimeric molecule comprising a BOG polypeptide fragment fused to a heterologous amino acid sequence.

24-32. (cancelled)

33. (new) An isolated polypeptide comprising:

i) at least 90% amino acid sequence identity with SEQ ID NO:2, SEQ ID NO:8 or SEQ ID NO:10;

ii) a retinoblastoma gene produce (pRB) binding motif; and

iii) at least one casein kinase II phosphorylation motif;

wherein the polypeptide binds pRB and displaces E2F-1 bound to pRB.

34. (new) The polypeptide of claim 33 comprising an amino acid sequence of SEQ ID NO:2.

35. (new) The polypeptide of claim 33 comprising an amino acid sequence of SEQ ID NO:8.

36. (new) The polypeptide of claim 33 comprising an amino acid sequence of SEQ ID NO:10.

37. (new) The polypeptide of claim 33, wherein said casein kinase II phosphorylation motif is located downstream of the pRB binding motif.

38. (new) The polypeptide of claim 37 further comprising a second casein II phosphorylation motif, said second casein kinase II phosphorylation motif being located upstream of the pRB binding motif.

39. (new) The polypeptide of claim 33 joined to a detectable label.

40. (new) The polypeptide of claim 39, wherein the detectable label comprises a radioactive isotope, an enzyme, a chromophore or a mixture thereof.

41. (new) The polypeptide of claim 33 further comprising a heterologous amino acid sequence.

42. (new) The polypeptide of claim 41, wherein the heterologous amino acid is a tag polypeptide.

43. (new) The polypeptide of claim 41, wherein the heterologous amino acid sequence is that of an immunoglobulin constant region.

44. (new) The polypeptide of claim 41, wherein the heterologous amino acid sequence is maltose binding protein.